INFORMATION FOR THE OPERATION OF THE MASTERCHIP CARTRIDGE

The master menu follows, we will go through all the selections.

MASTER CHECK OUT CHIP   GD.

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JOY 1	JOY 2	PADDLE 1	PADDLE 2
---	---		
---	---	255	255
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(F1) ALIGNMENT	(F2) UNIT # (8)
(F3) PERFORMANCE	(F4) HEX-DEC CALC.
(F5) DISK CATALOG	(F6) GET DISK ERROR
(F7) INVOCE $$	(F8) KEYBOARD CHECK

(SHIFT/RETURN) = PRINTER TEST
(SHIFT/RESTORE) = RESET

(F1) ALIGNMENT

Here you get a detail of how to hook up the scope and the required
settings. There is the message that a drop of super glue is needed.
This will help keep your present work permanete. The next screen
is the control of the alignment procedure.

```
(B) = BUMP
(+) = ONE TRACK IN
(-) = ONE TRACK OUT
(O) = HYSTER. OUT
(I) = HYSTER. IN
(H) = HOME TRACK 17
(1) = END TRACK 1
(E) = END STOP TEST
(Q) = END PROGRAM
( ALIGN ON TRACK 17 )
```

(B) Will reset the read/write head and return to last test. This test
is required after the (E) END STOP TEST.

(+) Will move the read/write head up one track.

(-) Will move the read/write head down one track.

(O) Will hyster the read/write head out three tracks and back again to
test the mechanical lash of the head cabling.

(I) Same as above only it moves the read/write head the other
direction. These two test should be done to check the stableness of the
alignment at completion.

(H) Will MOVE the read/write head to the alignment track for reading of
the scope signals .

(1) Will move the read/write head to track one. This will allow you to
check the bump-stop for proper clearance (.010 inch).

) Will move the read/write head to the bump stop. (B) test WILL be
required after this test.

(Q) Closes out this section of testing and return to main menu.

(F3) PERFORMANCE

Displays:

PERFORMANCE TEST
(F1) QUICK
(F3) ALIGNMENT
(F5) PERFORMANCE

(F1) Will do a performance test the same as (F3) only on a preformatted
disk for a quick check of the read/write head.

(F3) Will do a machine check of the alignment of the drive to a
preformatted disk. It will check every other track and sector. If five
(5) errors are encountered the test stops. A (space bar) will abort
this test.

(F5) Will perform a format of a disk and then will test the diskette
with read/write commands. This diskette can now be used in the other
sections of this test.

(F5) DISK CATALOG

This command will list the program directory of a formatted diskette.

(F7) INVOICE $$

This part of the MASTERCHIP cartridge is used by the service department
to list and add the service charges for a bench repair. Tax base can be
changed by over striking existing figure.

(F2) UNIT # (8)

If a drive unit comes in that is not set to the factory default of
eight (8) this is where you reset the MASTERCHIP programs for that new
disk.

(F4) HEX-DEC CALC.

This is a little calculator program for figuring the hexadecimal and
the high/low byte of a given number. You may enter decimal or
hexadecimal numbers for conversion.

(F6) GET DISK ERROR

This little program will clear the flashing red light on the disk drive
and display the reason the light is flashing. Display the disk error.

Here after a short setup the keyboard can be checked by pressing each
key and seeing the key disappear from the screen. The shift keys will
have a flash because they all use the same part of the key board chip.
(RESTORE) in red has been removed from this test, use (SHIFT/RESTORE)
to test the (RESTORE) key.

(SHIFT/RETURN) = PRINTER TEST

Here you can test a printer set up as device four (4). Both ASCII and
CBM format are supported.

(SHIFT/RESTORE) = RESET

This will rerun the program from any part of the above sub-programs
provided that the serial bus to the disk or printer has released
control to the computer.